

MICROSOFT
AZURE SOLUTIONS
ARCHITECT DESIGN

AZ-301



Sanisoft
information technologies

**Well Trained People,
Better Served Customers.**

COURSE OVERVIEW

Learn how to manage security and identity within the context of Azure. Also, you'll be introduced to multiple SaaS services available in Azure that for integration into existing Azure solutions. Learn to Compare and contrast various database options on Azure, identify data streaming options for large-scale data ingest, and identify longer-term data storage options.

Learn how to deploy an ARM template to a resource group, author a complex deployment using the Azure Building Blocks tools, and integrate an API or Logic App with the API Management service. Learn how to Describe DNS and IP strategies for VNets in Azure, compare connectivity options for ad-hoc and hybrid connectivity, distribute network traffic across multiple loads using load balancers, and design a hybrid connectivity scenario between cloud and on-premise.

DURATION 40 HRS EXAM CODE: AZ-301

COURSE PREREQUISITES

- Azure Architect Technologies (AZ-300)

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- Azure that for integration into existing Azure solutions.
- Learn to Compare and contrast various database options on Azure, identify data streaming options for large-scale data ingest, and
- Identify longer-term data storage options.
- Learn how to deploy an ARM template to a resource group, author a complex deployment using the Azure Building Blocks tools, and
- Integrate an API or Logic App with the API Management service.
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- Distribute network traffic across multiple loads using load balancers, and design a hybrid connectivity scenario between cloud and on-premise.

COURSE OUTLINE

AZ-301T01: DESIGNING FOR IDENTITY AND SECURITY

- Module 1: Managing Security & Identity for Azure Solutions
- Module 2: Integrating SaaS Services Available on the Azure Platform

AZ-301T02: DESIGNING A DATA PLATFORM SOLUTION

- Module 1: Backing Azure Solutions with Azure Storage
- Module 2: Comparing Database Options in Azure
- Module 3: Monitoring & Automating Azure Solutions

AZ-301T03: DESIGNING FOR DEPLOYMENT, MIGRATION, AND INTEGRATION

- Module 1: Deploying Resources with Azure Resource Manager
- Module 2: Creating Managed Server Applications in Azure
- Module 3: Authoring Serverless Applications in Azure

AZ-301T04: DESIGNING AN INFRASTRUCTURE STRATEGY

- Module 1: Application Architecture Patterns in Azure
- Module 2: Building Azure IaaS-Based Server Applications (ADSK)
- Module 3: Networking Azure Application Components
- Module 4: Integrating Azure Solution Components Using Messaging Services

TARGET AUDIENCE

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.



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